

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph bridging pages 3-4, as follows:

The thermal cracking pyrolysis process uses low temperature cracking temperatures (in the range 280 — 400 deg.C. at low pressure to generate a column distilled fraction of gas oil mixed with light ends. The light ends are flashed off to produce a high quality gas oil having characteristics similar to that of a diesel fuel. By pressurizing a feedstock within the process, a higher temperature can be achieved before gases are given off. This is an advantage where the temperature at which light end gases start to form, can be raised to that point where medium compound gases also form and the production of all gases can therefore be more closely regulated within a given temperature range. In effect, by controlling the production of gases so that they are formed within a pressure vessel, a more even temperature gradient can be maintained throughout the heat recovery device (HRD) ~~HRD~~ and localized coking is less likely to occur.

Please add the following between full paragraphs 2 and 3, page 4:

Brief Description of the Drawings